

WEEKLY INFLUENZA SURVEILLANCE REPORT

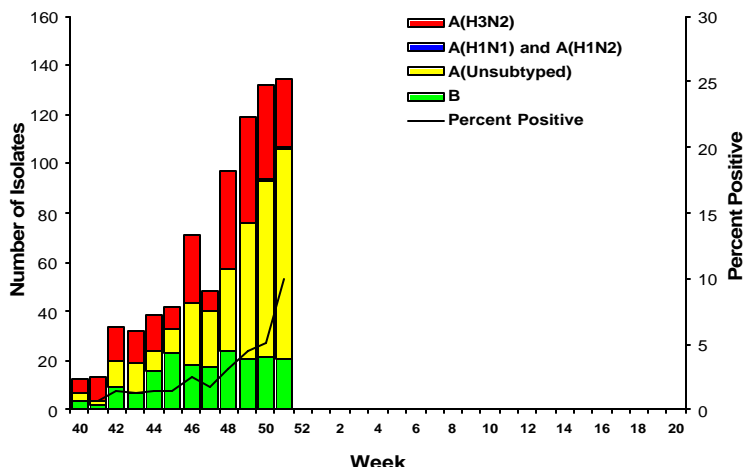
Week ending January 1, 2005 Week 52

Synopsis: During week 52 (December 26 – January 1, 2005)*, influenza activity began to increase mostly in the South and South central parts of Louisiana. Thirteen specimens tested by several labs in Louisiana were positive for influenza viruses. Sixty nine percent of the isolates were reported from regions one, two, three six and seven with increased ILI. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) is slightly below baseline. The proportion of deaths attributed to pneumonia and influenza is below the national baseline. **Louisiana reported sporadic influenza activity.**

Laboratory Surveillance*: During week 52, WHO and NREVSS laboratories in the United States reported testing 1,340 specimens for influenza viruses, of which 134 (10.0%) were positive. Of these, one was an influenza A (H1N1), 27 were influenza A (H3N2) viruses, 85 were influenza A viruses that were not subtyped, and 21 were influenza B viruses.

Louisiana has submitted specimens for testing by NREVSS laboratories, however only three have been reported as positive for Influenza type A and have not yet been sub-typed.

U.S. WHO/NREVSS Collaborating Laboratories Summary, 2004-05



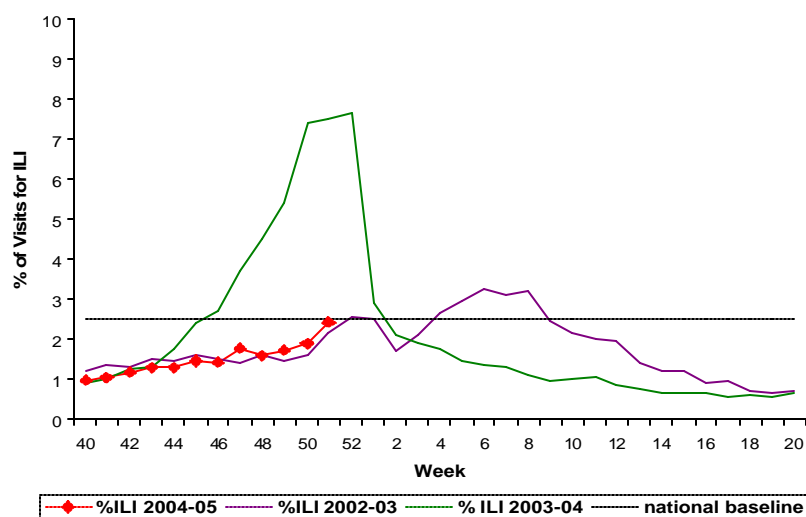
Antigenic Characterization: CDC has antigenically characterized 60 influenza viruses collected by U.S. laboratories since October 1, 2004: forty-two influenza A (H3N2) viruses and 18 influenza B viruses. All of the influenza A (H3N2) isolates were characterized as A/Fujian/411/2002-like (H3N2), which is the influenza A (H3N2) component recommended for the 2004-05 influenza vaccine.

Influenza B viruses currently circulating can be divided into two antigenically and genetically distinct lineages represented by B/Yamagata/16/88 and B/Victoria/2/87 viruses. B/Yamagata lineage viruses circulated widely between 1990 and 2001 during which time B/Victoria-like viruses were not identified outside of Asia. However, between March 2001 and October 2003, B/Victoria-like viruses predominated in many countries, including the United States and the vaccine strains were changed accordingly. While both Victoria lineage and Yamagata lineage viruses have been reported worldwide during the past year, Yamagata lineage viruses have once again become predominant. Sixteen of the influenza B viruses isolated this season belong to the B/Yamagata lineage and were characterized as B/Shanghai/361/2002-like, which is the influenza B component recommended for the 2004-05 influenza vaccine. Two influenza B viruses belong to the B/Victoria lineage and were characterized as B/Hong Kong/330/2001-like.

Influenza-Associated Pediatric Hospitalizations*: Louisiana has received no reports of hospitalization in children < 18 years of age with illnesses associated with laboratory-confirmed influenza. The Emerging Infections Program (EIP) is collecting data in 10 sites on hospitalizations of children <18 years of age with illnesses associated with laboratory-confirmed influenza. Hospitalization data from the EIP sites will be included as they become available.

Influenza-like Illness Surveillance*: During week 52, 0.94% of Louisiana patient visits to sentinel providers were due to ILI. 2.4% of patient visits to U.S. sentinel providers were due to ILI. This percentage is slightly below the national baseline of 2.5%. On a regional level**, the percentage of visits for ILI in the West South Central region is 2.3%. Due to wide variability in regional level data, it is not appropriate to apply the national baseline to regional level data.

**Percentage of Visits for Influenza-like Illness
Reported by Sentinel Providers, National Summary
2004-05 and Previous 2 Seasons**



Influenza Activity as Assessed by State and Territorial Epidemiologists*: During week 52, Louisiana reported sporadic influenza activity however additional Information may change the code to Local.

West South Central (Arkansas, Louisiana, Oklahoma, Texas);

**WHO Collaborating Laboratory Reports
2004-2005 Influenza Season
Update Friday, December 31, 2004
Summary for All Regions**

DVD Week	Number Reporting	Total Specimens	AH1N1	AH3N2	A-Unk	B	Total Isolates	Ratio Pos
0440	109	1705	0	5	3	4	12	0.007
0441	114	2009	0	9	2	2	13	0.006
0442	123	2331	0	14	11	9	34	0.015
0443	121	2484	0	13	12	7	32	0.013
0444	126	2520	0	15	8	16	39	0.015
0445	113	2728	0	9	10	23	42	0.015
0446	114	2838	0	27	26	18	71	0.025
0447	101	2809	0	8	23	17	48	0.017
0448	94	3114	0	40	33	24	97	0.031
0449	76	2657	0	43	55	21	119	0.045
0450	67	2599	1	38	71	22	132	0.051
0451	35	1340	1	27	85	21	134	0.100
Totals	1193	29134	2	248	339	184	773	0.027

**2004-2005 Influenza Season
Update Friday, December 31, 2004
Summary by Region**

West South Central Region

DVD Week	Number Reporting	Total Specimens	AH1N1	AH3N2	A-Unk	B	Total Isolates	Ratio Pos.
0440	11	194	0	0	0	0	0	0.000
0441	11	205	0	1	0	0	1	0.005
0442	12	278	0	0	0	2	2	0.007
0443	13	326	0	0	0	0	0	0.000
0444	13	361	0	0	0	0	0	0.000
0445	12	498	0	0	0	0	0	0.000
0446	13	580	0	0	0	1	1	0.002
0447	11	564	0	0	1	0	1	0.002
0448	9	625	0	0	0	0	0	0.000
0449	8	628	0	0	1	1	2	0.003
0450	7	579	0	3	2	0	5	0.009
0451	4	211	0	3	1	2	6	0.028
Totals	124	5049	0	7	5	6	18	0.004

* Weekly ratios rather than proportions are presented because specimens reported Positive for influenza virus each week may include specimens submitted for testing during an earlier week.

2004-2005 Influenza Season
Update Friday, January 7, 2005
Louisiana Summary by Week

INFLUENZA ISOLATES FROM LOUISIANA Reported By WHO/NREVSS Collaborating Laboratories Season 2004 - 2005 (Updated: 01/07/2005 10:01:04)							
Week	# Reporting	A(H1N1) & A(H1N2)	A(H3N2)	A(Unk)	B	Total # Tested	% Positive
40	4	0	0	0	0	59	0
41	4	0	0	0	0	60	0
42	4	0	0	0	0	71	0
43	5	0	0	0	0	92	0
44	5	0	0	0	0	102	0
45	4	0	0	0	0	137	0
46	5	0	0	0	0	182	0
47	4	0	0	1	0	214	0.5
48	4	0	0	0	0	229	0
49	3	0	0	1	0	216	0.5
50	3	0	0	1	0	215	0.5
51	2	0	0	1	0	161	0.6
52	1	0	0	1	0	1	0.0

Sentinel Physician Surveillance
2004-2005 Influenza Season
Update Friday, December 31, 2004
ILI Summary for All Regions

DVD Week	Number Reporting	Patient Visits	Total ILI	% Unweighted ILI	% Weighted
0440	1106	334494	3052	0.912	0.983
0441	1147	348220	3537	1.016	1.037
0442	1223	367862	3931	1.069	1.179
0443	1243	370838	4004	1.080	1.293
0444	1249	364812	4432	1.215	1.307
0445	1275	362803	4840	1.334	1.451
0446	1257	366683	4869	1.328	1.438
0447	1258	278792	4458	1.599	1.769
0448	1256	352401	5019	1.424	1.591
0449	1179	332515	4918	1.479	1.742
0450	1109	285082	4879	1.711	1.895
0451	714	160059	3529	2.205	2.429
Totals	14016	3924561	51468	1.311	1.462

**2004-2005 Influenza Season
Update Friday, December 31, 2004
ILI Summary by Region**

West South Central Region

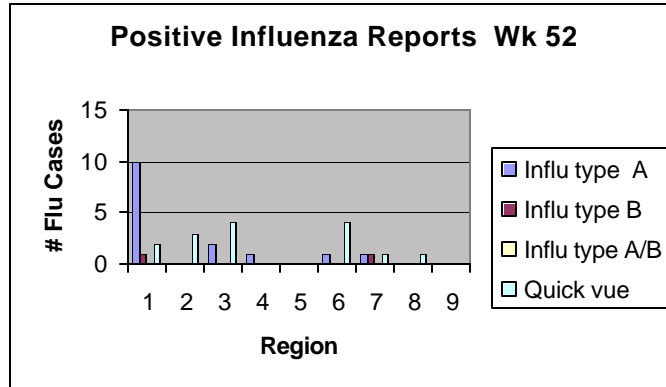
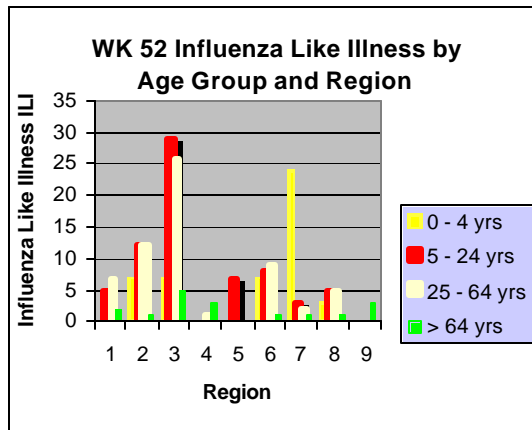
DVD Week	Number Reporting	Patient Visits	Total ILI	% Unweighted ILI	% Weighted
0440	86	21489	271	1.261	1.262
0441	64	20831	222	1.066	0.944
0442	117	19274	357	1.852	2.132
0443	105	20814	237	1.139	1.181
0444	77	19143	246	1.285	1.242
0445	117	22050	302	1.370	1.470
0446	78	16039	231	1.440	1.546
0447	82	15233	261	1.713	1.716
0448	99	17047	369	2.165	2.459
0449	66	14193	249	1.754	1.671
0450	101	13707	231	1.685	2.380
0451	29	6564	235	3.580	3.491
Totals	1021	206384	3211	1.556	1.613

**Sentinel Physician Surveillance
2004-2005 Influenza Season
ILI Summary by State**

**PERCENTAGE OF VISITS FOR INFLUENZA-LIKE-ILLNESS REPORTED BY
SENTINEL PROVIDERS IN LOUISIANA
(1/7/2005 2:47:41 PM)**

Week	# Reporting	Age 0-4	Age 5-24	Age 25-64	Age over 64	Total ILI	Total Patients	% ILI
200440	47	0	0	0	0	0	4118	0.00
200441	21	2	0	0	0	2	1565	0.12
200442	66	0	4	1	1	6	5523	0.10
200443	53	1	3	7	3	14	4720	0.29
200444	23	2	3	1	0	6	2347	0.25
200445	66	0	6	11	1	18	5614	0.32
200446	33	0	2	5	0	7	3195	0.21
200447	35	0	1	2	0	3	2903	0.10
200448	54	6	16	3	0	25	4737	0.52
200449	20	0	0	0	0	0	2084	0.00
200450	65	0	7	0	0	7	5361	0.13
200451	18	0	0	3	0	3	1589	0.18
200452	66	0	18	27	6	51	5372	0.94

Influenza Season 2004-2005
Week 0452
December 26, 2004- January 1, 2005
 Weekly Summary



Week 52 by Region and Age

52	REG	Influ type A	Influ type B	Influ type A/B	Rapid Test	Total Pos Infl	0 - 4 yrs	5 - 24 yrs	25 - 64 yrs	> 64 yrs	ILI	TOTAL
	1	10	1	0	2	13	0	5	7	2	14	4192
	2	0	0	0	3	3	7	12	12	1	32	6802
	3	2	0	0	4	6	7	29	26	5	67	4604
	4	1	0	0	0	1	0	0	1	3	4	3291
	5	0	0	0	0	0	0	7	0	0	7	3707
	6	1	0	0	4	5	7	8	9	1	25	6574
	7	1	1	0	1	3	24	3	2	1	30	4088
	8	0	0	0	1	1	3	5	5	1	14	5006
	9	0	0	0	0	0	0	0	0	3	3	2145
		15	2	0	15	32	48	69	62	17	196	40409

Thank You,
 Cathy K. Scott
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